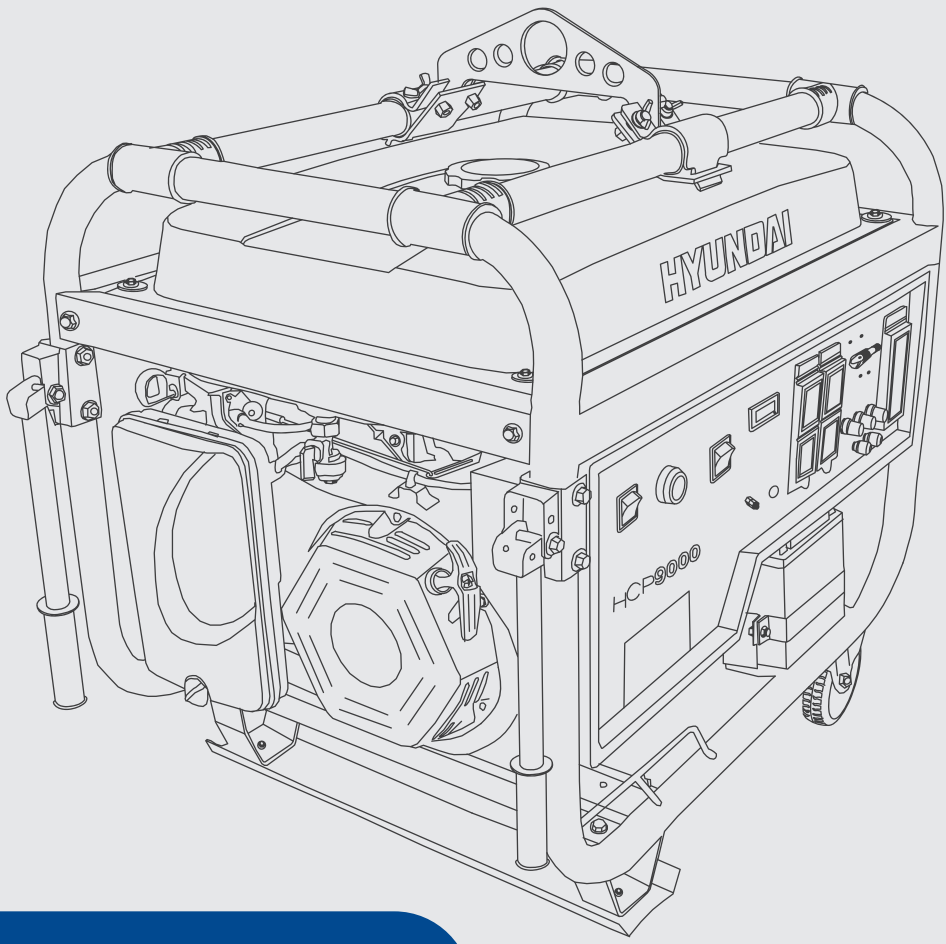
HYUNDAI
POWER EQUIPMENT

HCP9000

Dual-Fuel Portable Generator

User Manual



COMMERCIAL series®

HYUNDAI
POWER EQUIPMENT

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HCP9000-0711-02

COMMERCIAL
series®

Thank you for purchasing this Hyundai Power Equipment Generator.
Please register this product in order to ensure warranty service in the future.

This manual covers the safety, operation and maintenance procedures for the HCP9000.

All information in this publication is based on the latest product information available at the time of print. Visit www.powerbyhyundai.com for manual updates and operation notices.

No part of this publication may be reproduced without written permission. Please keep this manual together with the Owners Card. Contact Hyundai Power Equipment at the numbers listed on the Owners Card if warranty service is required.

It is important that anyone operating this product read and understand the manual prior to use.

Warranty Information

Warranty service, operation assistance and product support is provided by Midland International Inc., a licensed manufacturer of Hyundai Power Equipment.

www.powerbyhyundai.com

TECHNICAL ASSISTANCE

1-855-706-8475

CUSTOMER SERVICE

1-877-528-3772 (toll-free)

SALES

1-503-534-3684

Component Certifications

This product contains components certified by the following agency:

EPA

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SAFETY

1.1 - Operation Safety

- Always perform a pre-operation check before starting the engine.
- Properly clean and maintain the equipment.
- Operate the generator according to instructions for safe and dependable service.
- Read user manual carefully before operating this product! Failure to do so may result in serious harm to the user and to the equipment.
- Before operating the generator, read the user manual carefully. Otherwise, it may result in personal injuries or equipment damage.
- Never run the generator in an enclosed area to avoid harm from exhaust emissions of a poisonous carbon monoxide gas.
- Be careful not to touch the exhaust system, compressor pump or discharge tubing during operation due to risk of burns.
- Pay attention to the warning labels. The engine exhaust system will become heated during operation and remain hot immediately after the engine is stopped.
- Gasoline is a highly flammable and explosive liquid. Refuel in a well ventilated area with the engine stopped.
- When refueling the generator, keep it away from cigarettes, open flames, smoke and/or sparks.
- Connections for standby power to a building's electrical system must be done by a qualified electrician and must comply with all applicable laws and electrical codes. Improper connections may cause serious injuries to electrical workers during a power outage, and when the utility power is restored, the generator may explode or cause fires.
- Place the generator at least 3 feet away from buildings or other equipment during operation.
- Run the generator on a level surface. Tilting the generator may result in fuel spills.

- Know how to stop the generator quickly and understand operation of all the controls. Never permit anyone to operate the generator without proper instructions.
- Keep children, pets and machinery with rotating parts away during operation.
- Do not operate the generator in rain or snow.
- Do not allow any moisture to come in contact with the generator.
- Do not touch the spark plug while the engine is operating or shortly after the engine has been shut down

1.2 - AC Safety Guidelines

Before connecting the generator to an electrical device or power cord:

- Make sure that everything is in proper working order. Faulty devices or power cords can lead to an electrical shock.
- Turn off the generator immediately if the device begins to operate abnormally. Then disconnect the device and investigate the problem.
- Make sure that the electrical rating of the device does not exceed that of the generator. If the power level of the device is between the maximum output power and the running power of the generator, the generator should not be used for more than 30 minutes.
- The connections from the generator to the household power supply should be done by professional electrical technicians. Improper connections may lead to a fire hazard or damages to the generator set.

1.3 - Maintenance Safety

- After any maintenance is performed, wash immediately using soap and clean water because repeated exposure to lubricant may cause skin irritation.
- Do not clean the filter element with flammable liquids like gasoline because an explosion may occur.
- Turn off the engine before performing any maintenance. Otherwise it can cause severe personal injury or death.

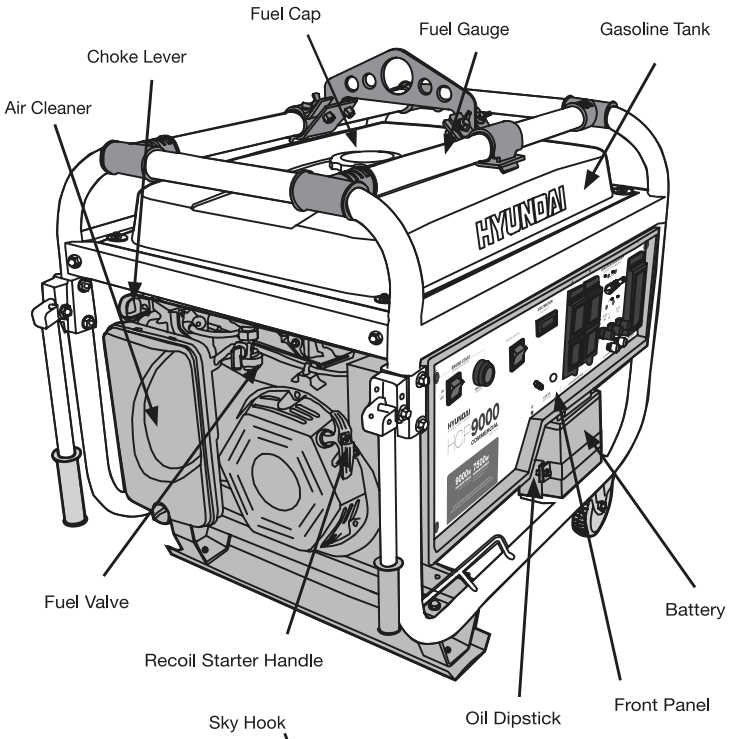
- Allow the generator set to cool down before performing any maintenance.
- Always wear safety glasses when cleaning the generator set with air.
- Do not clean the generator set with a pressure washer because it can cause damage to the generator set.
- Before working with batteries, ventilate the area, wear safety glasses, do not smoke and always disconnect the negative cable first and reconnect it last.
- Use rubber gloves when coming into contact with engine oil.
- Always stop the generator set before removing the oil filler cap.
- Only qualified maintenance personnel with knowledge of fuels, electricity, and machinery hazards should perform maintenance procedures.

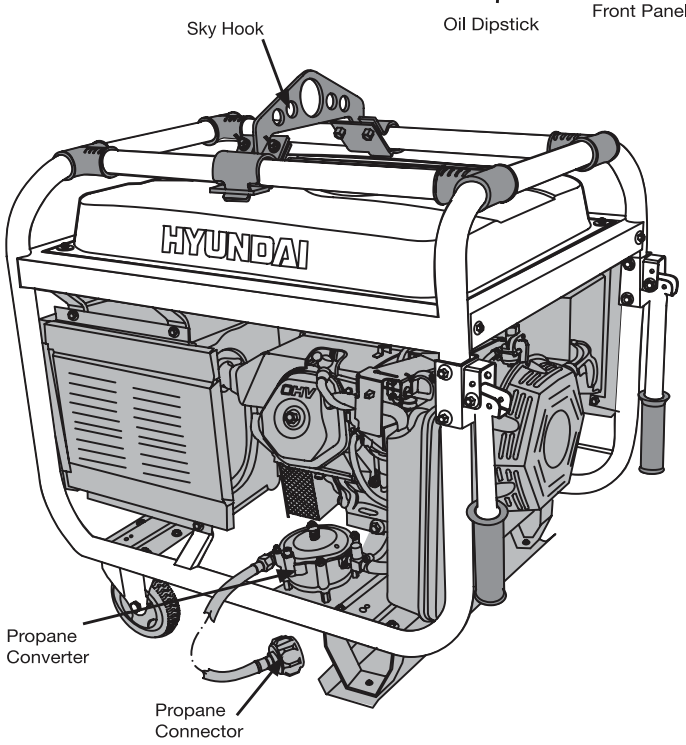
1.4 - Other Safety Hazards

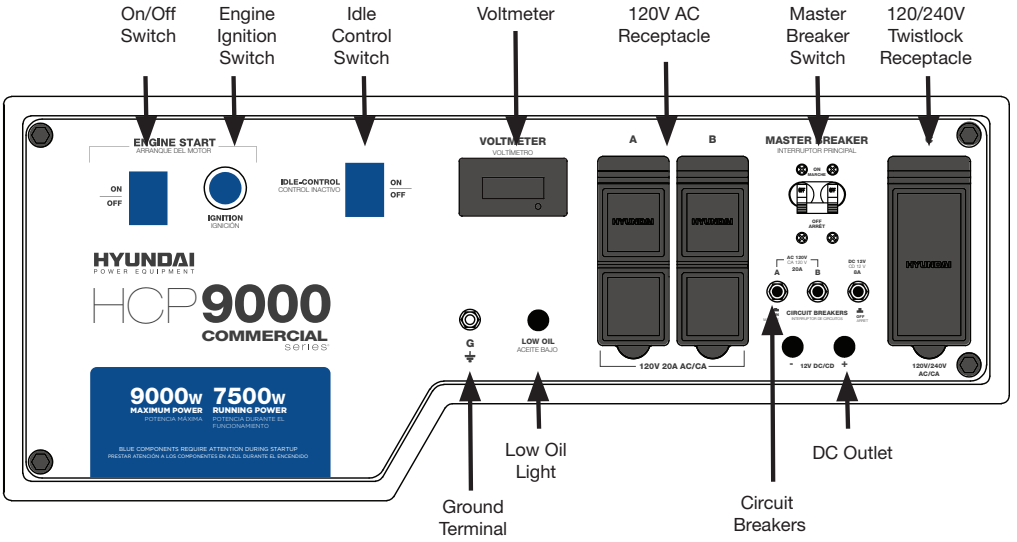
- To avoid breathing in poisonous carbon monoxide from the exhaust gases, adequate ventilation should be provided if the generator set is running in a partially enclosed space.
- If the generator set is stored outdoors, check all the electrical components on the control panel before each use. Moisture can damage the generator and can lead to an electric shock.

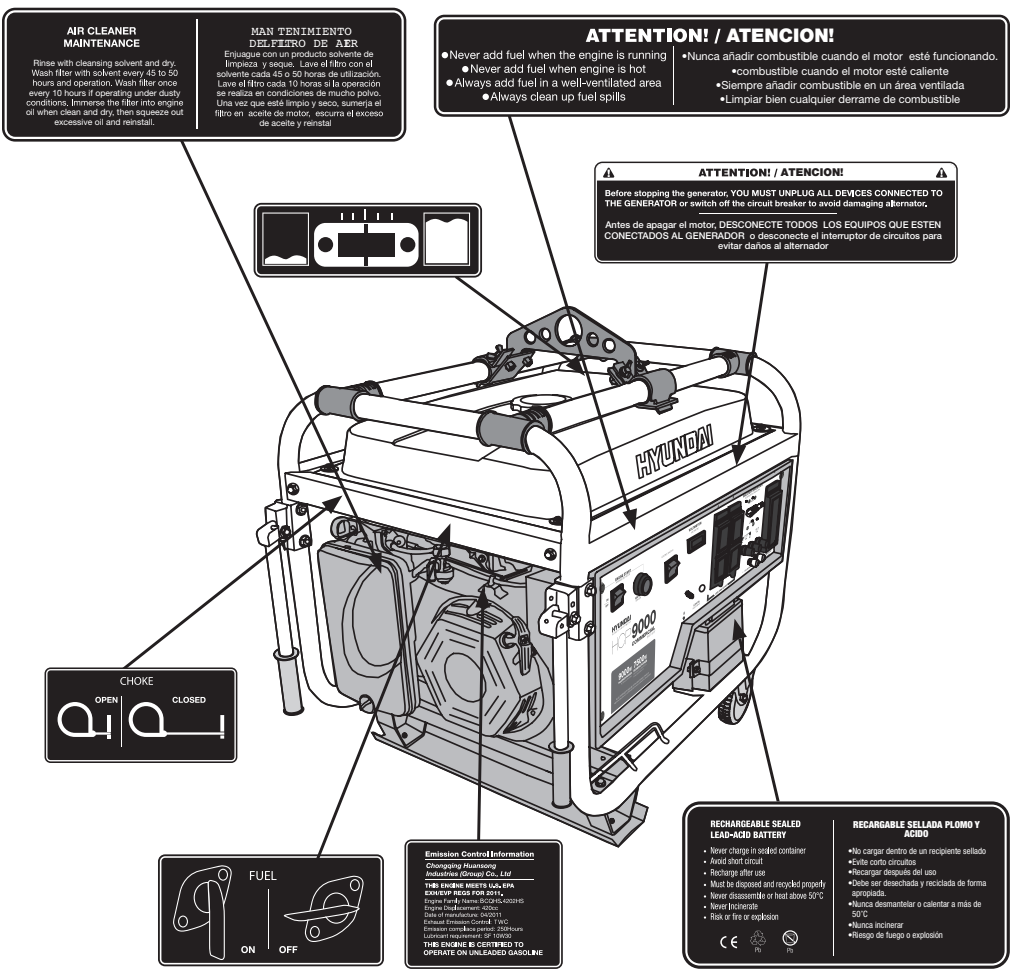
2.0 - COMPONENTS

2.1 - Identification of Components






On/Off Switch
Engine Ignition Switch
Idle Control Switch
Voltmeter
120V AC Receptacle
Master Breaker Switch
120/240V Twistlock Receptacle
ENGINE START
ARRANQUE DEL MOTOR
ON
OFF
IGNITION
IGNICIÓN
IDLE-CONTROL
CONTROL INACTIVO
VOLTMETER
VOLTÍMETRO
A
B
MASTER BREAKER
INTERRUPTOR PRINCIPAL
HYUNDAI
POWER EQUIPMENT
HCP9000
COMMERCIAL
series
9000W MAXIMUM POWER
POTENCIA MÁXIMA
7500W RUNNING POWER
POTENCIA DURANTE EL FUNCIONAMIENTO
BLUE COMPONENTS REQUIRE ATTENTION DURING STARTUP
PRESTAR ATENCIÓN A LOS COMPONENTES EN AZUL DURANTE EL ENCENDIDO
G
LOW OIL
ACEITE BAJO
120V 20A AC/CA
CIRCUIT BREAKERS
12V DC/CD
120V/240V AC/CA
Ground Terminal
Low Oil Light
Circuit Breakers
DC Outlet


AIR CLEANER MAINTENANCE
Rinse with cleansing solvent and dry. Wash filter with solvent every 45 to 50 hours and operation. Wash filter once every 10 hours if operating under dusty conditions. Immerse the filter into engine oil when clean and dry, then squeeze out excessive oil and reinstall.
MAN TENIMIENTO DELFILTRO DE AER
Enjuague con un producto solvente de limpieza y seque. Lave el filtro con el solvente cada 45 o 50 horas de utilización. Lave el filtro cada 10 horas si la operación se realiza en condiciones de mucho polvo. Una vez que esté limpio y seco, sumerja el filtro en aceite de motor, escurra el exceso de aceite y reinstal
ATTENTION! / ATENCION!
●Never add fuel when the engine is running
●Never add fuel when engine is hot
●Always add fuel in a well-ventilated area
●Always clean up fuel spills
•Nunca añadir combustible cuando el motor esté funcionando.
•combustible cuando el motor esté caliente
•Siempre añadir combustible en un área ventilada
•Limpiar bien cualquier derrame de combustible
ATTENTION! / ATENCION!
Before stopping the generator, YOU MUST UNPLUG ALL DEVICES CONNECTED TO THE GENERATOR or switch off the circuit breaker to avoid damaging alternator.
Antes de apagar el motor, DESCONECTE TODOS LOS EQUIPOS QUE ESTEN CONECTADOS AL GENERADOR o desconecte el interruptor de circuitos para evitar daños al alternador
HYUNDAI
CHOKE
OPEN
CLOSED
FUEL
ON
OFF
Emission Control Information
Chongqing Huansong Industries (Group) Co., Ltd
THIS ENGINE MEETS U.S. EPA EXH/EVP REGS FOR 2011.
Engine Family Name: BCGHS-K002HS
Engine Displacement: 420cc
Date of manufacture: 04/2011
Exhaust Emission Control: TWC
Emission compliance period: 250Hours
Lubricant requirement: SF 10W30
THIS ENGINE IS CERTIFIED TO OPERATE ON UNLEADED GASOLINE
RECHARGEABLE SEALED LEAD-ACID BATTERY
• Never charge in sealed container
• Avoid short circuit
• Recharge after use
• Must be disposed and recycled properly
• Never disassemble or heat above 50°C
• Never Incinerate
• Risk or fire or explosion
RECARGABLE SELLADA PLOMO Y ACIDO
•No cargar dentro de un recipiente sellado
•Evite corto circuitos
•Recargar después del uso
•Debe ser desechada y reciclada de forma apropiada.
•Nunca desmantelar o calentar a más de 50°C
•Nunca incinerar
•Riesgo de fuego o explosión

AC Voltage / Voltage CA	120/240V	**Frequency /** Fréquence	60 Hz	**Fuel /** Carburant	Gasoline/Gaz	**FOR ELECTRICAL EQUIPMENT ONLY** POUR MATÉRIEL ÉLECTRIQUE SEULEMENT	
Power Output / Sortie de Energie	7500W	**Max. ambient teperature/** Température ambiante maximale	40°	**Oil /** Huile	10W30	**FOR USE IN A WEATHER PROTECTED AREA ONLY** EMPLOYES UNIQUEMENT DANS UN EMPLACEMENT A L'ABRI DES INTEMPERIES	
Max. AC Output Power / Production maximale de voltage AC	9000W	**Duration /** Continuation		**Insulation class /** Isolant classe	F	**DO NOT USE AC AND DC AT THE SAME TIME** NE PAS UTILISER CA ET CC EN MEME TEMPS	245452
Max. DC Output / Production maximale DC		**Engine RPM /** TR/PM du moteur	3600	**Phase /** Phase	1	**HCP9000 SERIAL#:**	

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ATTENTION!

Read, understand and follow all safety and operating instructions provided in the user's manual. Failure to follow the instructions can lead to deaths, serious injures and equipment damage. Never add fuel when the engine is running. Diesel spillage on hot engine parts can cause fire. Always clean spilled diesel immediately. Always turn off the engine and allow the engine to cool down before refueling the generator. Always keep the generator away from smoke, open flames or sparks. Operating the generator in wet or damp conditions can lead to shock or electrocution. Always keep the generator and the surface it sits on dry. Never touch the muffler and engine parts after running. Always stay away from hot exhaust gases. Never connect to a building's electrical system unless a transfer switch has been installed by a qualified electrician.

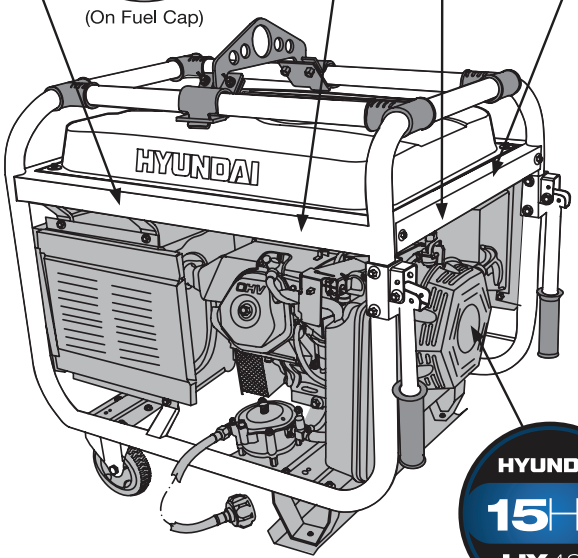
ATENCION!

Lea, entienda y siga todas las instrucciones de funcionamiento descritas en el manual del usuario. Si usted no sigue las instrucciones corre riesgo de muerte, heridas graves y daño del equipo. Nunca adicione combustible mientras el motor está funcionando. El derrame de combustible diesel sobre las partes calientes del motor puede causar fuego. Siempre limpie cualquier derrame de combustible diesel inmediatamente. Siempre apague el motor y permita que se refresque antes de adicionar combustible al generador. Mantenga siempre el generador alejado del humo, algunas llama o chispa. Si opera el generador en condiciones húmedas o mojadas corre riesgo de shock o electrocución. Siempre mantenga secos el generador y el lugar donde descansa el mismo. Nunca toque el silenciador o las piezas del motor después del funcionamiento. Siempre manténgase alejado de los gases de escape del motor. Nunca lo conecte al sistema eléctrico principal de un edificio a menos que exista un transformador debidamente instalado por un electricista calificado.

HCP9000
Unleaded Gasoline On ly
87+ Octane • 10% Ethanol MAX
Solo gasolina sin plomo
50L / 14GAL

(On Fuel Cap)

ATTENTION! / ATENCION!
HOT SURFACES!
KEEP CLEAR OF EXHAUST!
SUPERFICIES CALIENTES! MANTENGA LEJOS DE LOS GASES DE ESCAPE



HYUNDAI
15HP
HX420

(Centred on Top of Tank)

WARNING/Adve r tencia

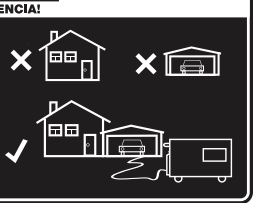
CHECK THE OIL LEVEL IF THE ENGINE STOPS OR IF THE LOW OIL LEVEL WARNING LIGHT IS ON.

Verifique el nivel de aceite si el motor deja de funcionar o si el indicador de nivel bajo de aceite se mantiene encendido

WARNING!
ADVERTENCIA!

- NEVER USE INSIDE A HOME OR GARAGE, EVEN IF DOORS AND WINDOWS ARE OPEN
- ALWAYS USE OUTDOORS AND FAR WAY FROM WINDOWS, DOORS AND VENTS

•NO USAR NUNCA DENTRO DE LA CASA O EL GARAJE, AUN CUANDO LAS PUERTAS Y VENTANAS ESTEN ABIERTAS
•UTILIZAR SIEMPRE EN EXTERIORES Y BIEN ALEJADO• DE VENTANAS, PUERTAS Y SALIDAS DE AIRE



3.0 Pre-Operation Inspection

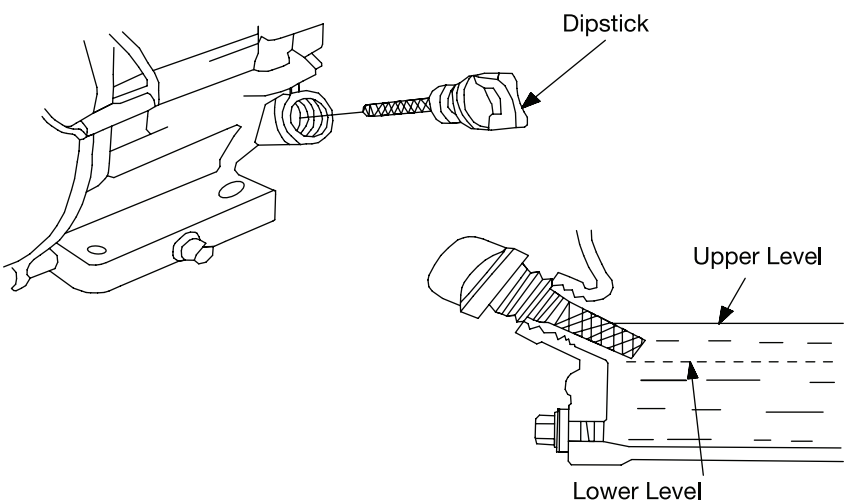
Exhaust gas contains poisonous carbon monoxide. Never run the generator in an enclosed area. Be sure to provide adequate ventilation. Operate the generator on a level surface. If the generator is tilted, fuel spillage may result. Keep away from rotating parts while the generator is running. The generator is air-cooled and may be damaged if ventilation is inadequate.

3.1 - Engine Oil Check

1. Ensure the generator is on a level surface.
2. Inspect engine oil:

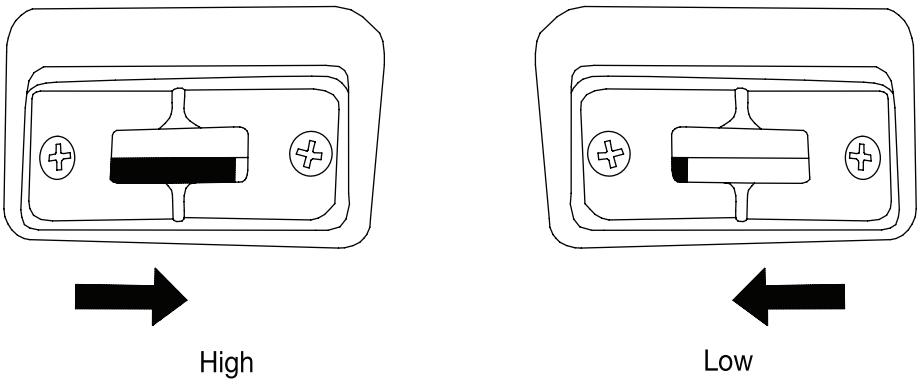
- Take out the oil filler cap and clean the dipstick.
- Check the oil level by reinserting the oil filler cap without rotating it. Remove the oil filler cap and examine the oil level. If the oil level is at or below the lower level, refill the oil to the upper limit mark. (10W30) Reinsert the oil filler cap and tighten securely. (Refer to figure)

Engine oil is a major factor affecting engine performance and service life. Non-detergent or vegetable oils are not recommended.



3.2 - Fuel Level Check

1. Check the fuel level by reading the gauge or removing the fuel tank cap to visually check the level.
2. Refuel if level is too low. Tighten the fuel tank cap securely after refilling (Refer to Fig. 3.1)

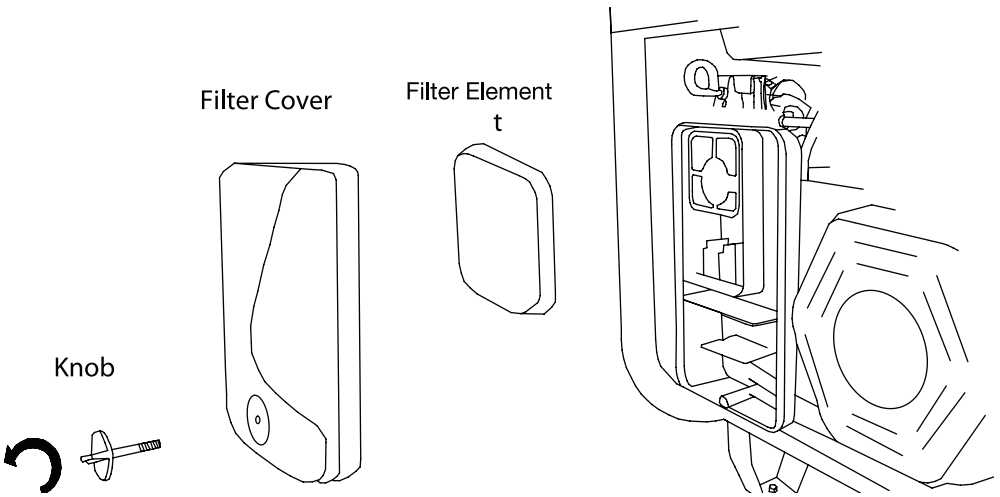


Gasoline is highly flammable and explosive under certain conditions. Refuel in a well-ventilated area with the engine stopped. Do not smoke or allow open flames or sparks in the area where the generator is being refueled or where gasoline is stored. Do not overfill the tank. Be careful not to spill fuel when refueling. Wipe up any spilled gasoline and let the area dry before starting the engine.

Gasoline substitutes such as gasohol are not recommended. They may be harmful to the fuel system components

3.3 - Check the Air Filter

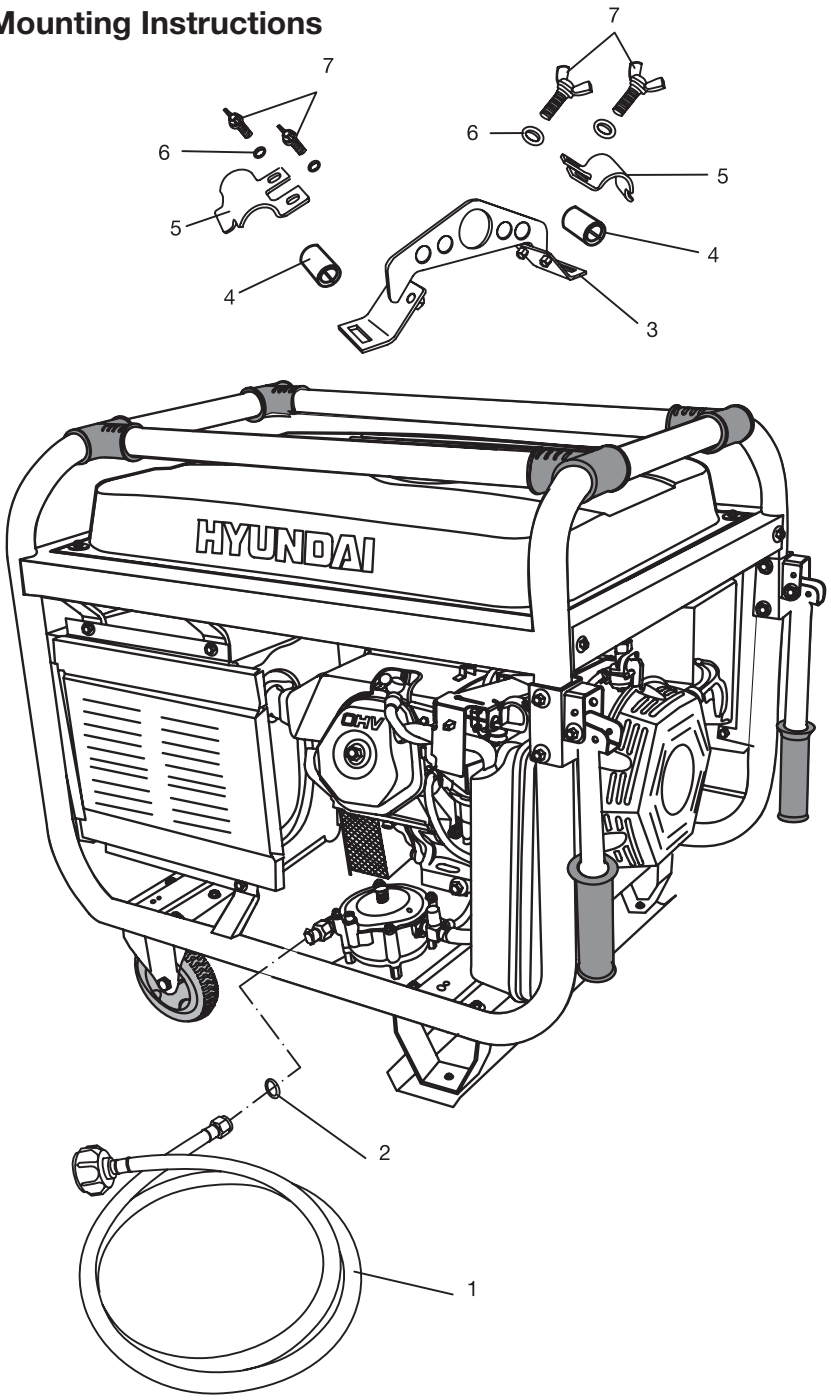
1. Loosen the knob and remove the air filter cover. Remove the air filter element and observe for cleanliness.
2. Clean the air filter element with soap and water or solvent. Squeeze dry and then soak in clean engine oil.
3. Squeeze out all excess oil and reinstall. Replace the element if it is damaged.



Check the air filter using the maintenance schedule. Always inspect air filter before using the generator. Clean Air Filter every 3 months or after 50hrs of operation according Section 5.4: Air Filter Service procedure.

4.0 - OPERATION

4.1 - Mounting Instructions



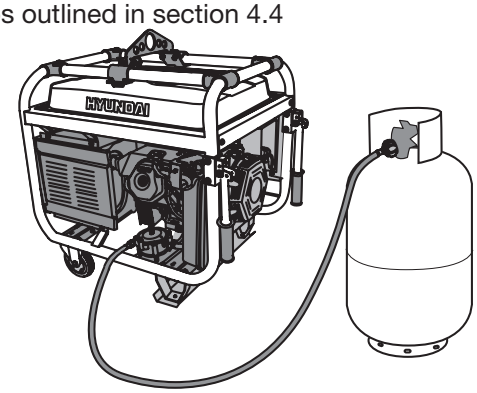
NUMBER	PART NAME	QUANTITY
1	Gas Hose	1
2	Seal	1
3	Sky Hook	1
4	Rubber Cover	2
5	Frame Tube Clamp	2
6	Washer	4
7	Wing Bolt	4

INSTALLING SKY HOOK

1. Locate mounting stickers on top frame tubes and place rubber covers, around frame in this spot.
2. Slide the sky hook part under the top frame tubes, aligned with the rubber covers.
3. On each side, hook in the frame tube clamp(5) through the slot of the sky hook and around the top half of the top frame tubes.
4. Holding the frame tube clamp in place with one hand, insert and twist to tighten the Wingbolts with washers attached. Make sure the wingbolt is tightly secured before use.

4.2 - Connecting to LPG Fuel Source

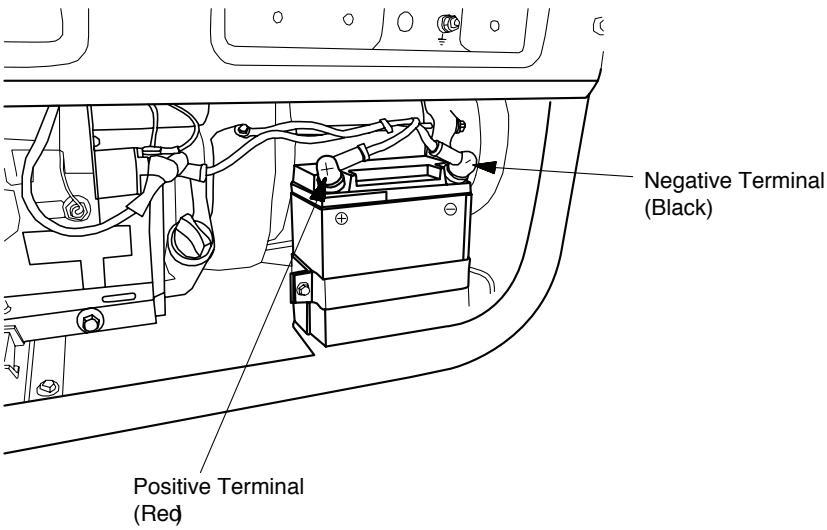
1. Locate the LPG converter on the backside of the generator
2. Place two seals on the inlet valve located on the converter.
3. Attach small end of the Gas Hose(1) to the LPG converter and tighten around the seal.
4. Connect gas hose to propane fuel source. Do not turn on propane source prior to following the steps outlined in section 4.4



4.3 - Electric Start Battery Connection

Batteries produce explosive gases. Keep sparks, flames and cigarettes away from battery. To prevent the possibility of creating a spark near the battery, connect charging cables to battery terminals first, then to the generator. When disconnecting, disconnect the cables at the generator first.

1. Connect the red cable with the positive terminal of the battery. Ensure the connection is secured by using the fastener at the battery terminal.
2. Connect the black cable with the negative terminal of the battery. Ensure the connection is secured by using the fastener at the battery terminal.



Be sure to connect the Electric Start Battery to the HCP9000 Generator set before operation. Failure to do so will cause the Output Display to function improperly.

Do not reverse the polarity of the terminals when charging the battery. Serious damage to the generator and/or battery may occur. Do not attempt to connect

the battery while the generator engine is running. Disconnect the cables from the battery while the generator is in storage.

4.4 - Starting the Generator Set

GROUND TERMINAL

Before using generator, a ground wire must be connected to the ground terminal. The Ground terminal is located on the Front Panel. Before using the ground terminal consult a qualified electrician.

Ground Terminal Symbol:

The HCP9000 generator can be started using three methods.

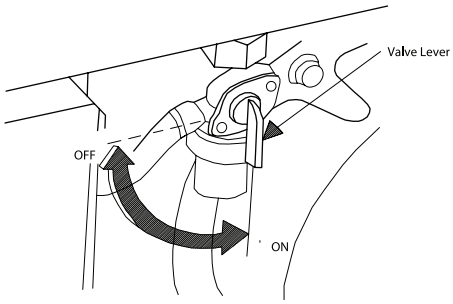
- Recoil Start Method,
- Electronic Start Method,
- Remote Start Method

IF USING PROPANE FUEL SOURCE

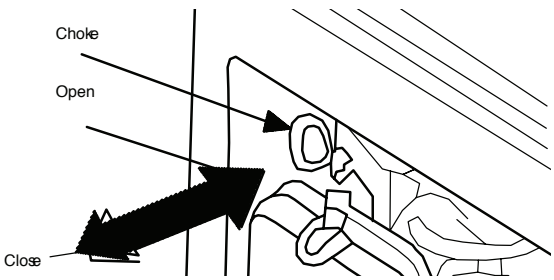
1. Ensure that there is no gasoline in the engine. If gasoline was used in the most recent operation, start the generator with gasoline source - once running, close the fuel valve lever and allow engine to run until all remaining gasoline has been used. After the engine stops, continue to step 2.
2. Ensure that the fuel valve lever is in the CLOSE position.
3. After tank is properly connected, turn on propane fuel source. Refer to section 4.2 for LPG connection procedure.
4. Push LPG Converter button 2-3 times to bleed air in the LPG path
5. Push the choke lever in OPEN position.
6. Continue to desired start-up method.

IF USING GASOLINE FUEL SOURCE

1. Ensure that there is no propane in the engine. If LPG was used in the most recent operation, start engine by following the steps outlined in the Propane Fuel Source section on page 20. Once running, shut off the propane fuel source and allow the engine to use up the remaining fuel. After the engine stops, continue to step 2.
2. Rotate the fuel valve lever to ON position (Vertical position).



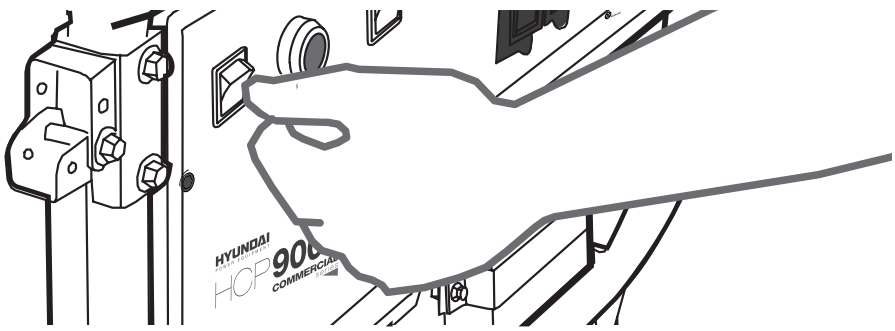
3. If the engine is cold: Pull the choke lever out to close the choke.



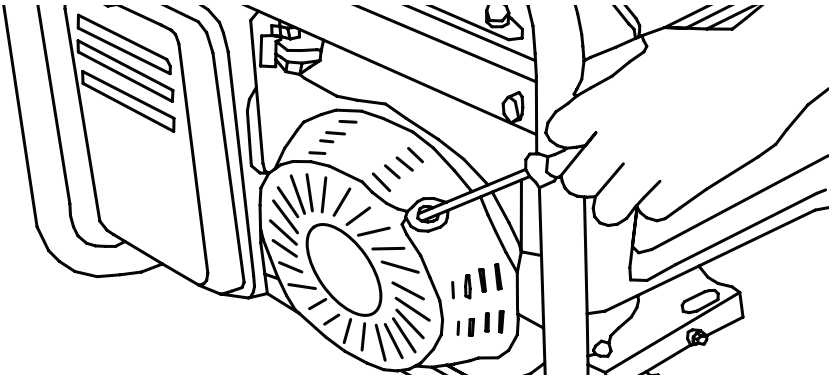
4. Continue to desired start-up method.

RECOIL START METHOD

1. Disconnect all devices from the outlets on the generator panel.
2. Press the engine switch to the “ON” position.



3. Grasp the recoil starter handle and pull it until the engine starts.



Do not allow the recoil starter to snap back. Return it slowly by hand

4. Push the choke lever to the OPEN position as the engine warms up. The choke is used to provide the proper mixture when the engine is cold. It can be opened and closed by operating the choke lever manually by moving the lever to the closed position to enrich the mixture for cold starting.
5. You may turn on the Idle-Control switch to the ON position to save fuel consumption, while low load is applied to the generator set.

During warm-up period, keep the Idle-Control OFF until the engine reaches operating temperature. Doing so will decrease the duration of the wam-up period. Idle-Control is not effective for use with appliances that require only momentary power. It is better to leave the Idle-Control OFF if an appliance cycles ON and OFF frequently. Do not use the choke if the engine is warm or if the air temperature is higher than 50°F (10°C).

ELECTRIC STARTING METHOD

Batteries produce explosive gases. Keep sparks, flames and cigarettes away from the battery. To prevent the possibility creating sparks near the battery,

connect the charging cables to the battery terminals first, then to the generator. When disconnecting, remove cables at generator first.

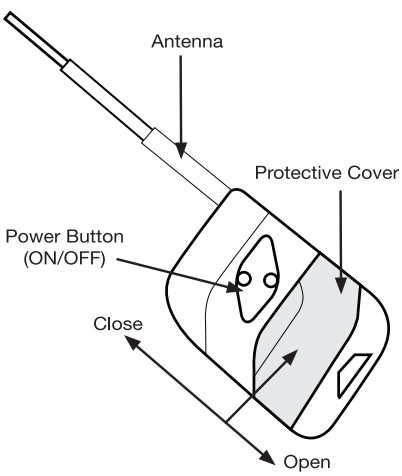
1. Follow fuel source selection steps on page 20
2. Push the engine ignition button until the generator starts. Do not push the ignition button for more than 5 seconds. Doing so may damage the alternator.

If electric start does not turn on the generator after three attempts, contact customer support. Repeated attempts could damage the ignition mechanism.

3. Follow steps 6-7 from the Recoil Start Method

REMOTE START METHOD

1. Follow fuel source selection steps on page 20
2. Ensure that Engine switch is on the ON position
3. Holding the remote control, pull out the antenna and slide the protective cover open to reveal the power button. Point the antenna to the generator and press the ON button to start.

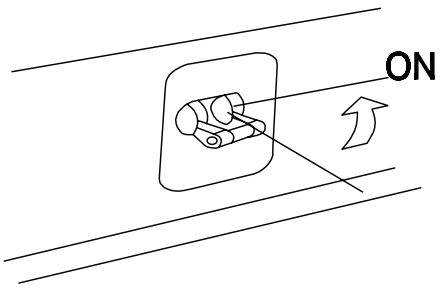


After using the remote control starter, push in the antenna and slide the protective cover back to its original position.

If the remote control is out of power, remove the back cover and replace the battery. You must be within 160 feet and have an unobstructed view of the generator to start.

4.5 - Using the Generator Set

1. Turn off the switches of the device before connecting to the generator.
2. Start the generator according to section 4.3
3. Insert the plug of the device into the receptacle based on the voltage requirement of the device.
4. Lift the Master Breaker switch to ON position and turn on the device.



To stop the engine in an emergency, turn the engine switch "OFF".

In order to maintain generator's performance:

- Always connect the generator to the ground terminal to prevent electrical shock.
- Add the watt ratings of all the loads that the generator set will be powering at the same time. Make sure that total wattage will not exceed the generator rating.

EXAMPLE:

A generator set rated 5000W can power two 1500W heaters, a 900W circular saw, a 500W drill and a 100W light at the same time (4500W combined). However, to operate a second 900W saw, it will be necessary to disconnect one of the 1500 W heaters.

4.6 Using DC Output Terminals

You can use 12V 8.3A DC output to charge automotive batteries. Be sure to monitor the battery charge time.

Over-charge may cause explosion and injury

1. Connect the positive (red) terminal of the battery to the red (positive) terminal the 12V 8.3A DC Output Terminal on the front panel
2. Connect negative(black) terminal of the battery to the black (negative) terminal of the 12V 8.3A DC Output terminal on the front panel (DO NOT REVERSE POLARITY OF CONNECTIONS)
3. Start the generator according to section 4.3

An explosive hydrogen gas is discharged through vent holes in the battery during charging. Do not allow sparks or open flames around the generator or battery during the charging process.

Electrolyte fluid can burn eyes and clothing. Be extremely careful to avoid any contact. If injured, wash the affected area immediately with large amounts of water and seek medical attention immediately.

When charging a large capacity battery or totally discharged battery, excessive current may force the DC breaker to turn off. In this case, use a battery charger.

GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE

This receptacle is protected by the GFCI for protection against electrical shock.

Using the generator in rain, snow, or in water can lead to electrical shock. Always keep your generator dry and away from any water sources.

Perform the following test monthly. If used outdoors unprotected from the weather, make sure to test before each use.

TEST BUTTON

The test button should extend with a click. If the test button does not extend, take it to your Hyundai-Authorized generator service center.

RESET BUTTON

If the reset button extends during operation, unplug all appliances from the GFCI receptacle. The reset button should be flush with the test button. If the reset button is not flush with the test button, take it to your Hyundai-Authorized generator service center.

4.7 Stopping the Generator Set

1. Turn off all the connected devices.
2. Allow the generator set run for a few minutes to cool down.
3. Stop the generator set by pressing and holding the engine switch in the OFF position until the generator set stops.
4. Rotate the fuel valve lever back to the OFF position (horizontal position).

5.0 - MAINTENANCE

5.1 - Importance of Maintenance

Proper maintenance ensures safe, economical and trouble-free operation. Improper maintenance may cause the generator to malfunction and can lead to serious injuries. Contact Hyundai Power Customer Support if you have any maintenance questions.

5.2 - Maintenance Schedule

ITEM	TASK	DAILY	EVERY 20 HOURS	EVERY 50 HOURS	EVERY 100 HOURS	EVERY 300 HOURS
General Inspection		●				
Engine Lubricants	Inspect Oil Level	●				
	Replace		●		●	
Air Filter	Inspection	●				
	Cleaning			●		
Sediment Cup	Cleaning			●		
Spark Plug	Inspection & Cleaning				●	
	Replacement					●
Valve Clearance	Inspection & Adjusting					●
Combustion Chamber	Inspection & Adjusting					●
Fuel Tank and Strainer	Cleaning					●
Fuel Line	Every two months (replace if necessary)					

5.3 - General Inspection

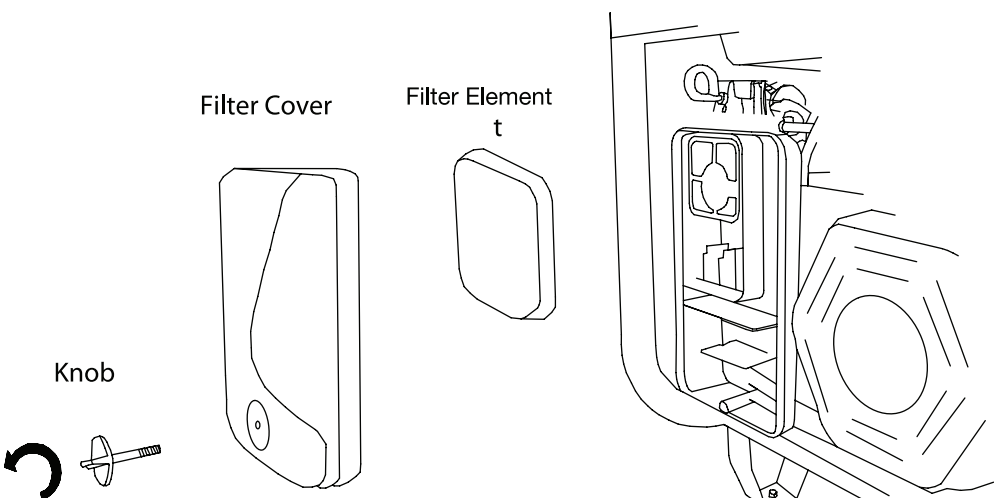
1. Look for fuel leaks around the fuel tank, fuel hose, fuel valve and carburetor. Close the fuel valve and repair leaks immediately.
2. Look and listen for exhaust leaks while the engine is running. Have all the leaks repaired before continuing operation.
3. Check for dirt and debris and clean as necessary
4. Check the engine oil level and add oil as necessary.

Do not use gasoline or low flash point solvents for cleaning. They are flammable and could explode under certain conditions.

5.4 - Air Filter Service

Using gasoline or other flammable solvents can cause a fire or explosion. Do not operate this product without an air filter.

1. Rotate the knob counterclockwise to release.
2. Lift the air cover to remove from the air filter unit.
3. Remove the foam element. Refer to Fig. 5.0



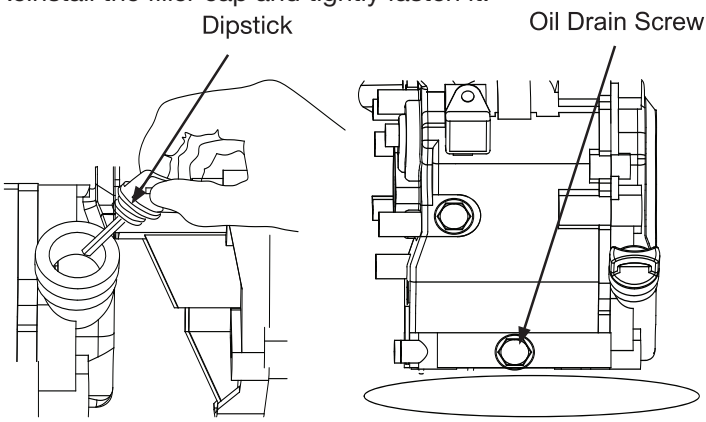
4. 4. If the foam element is dirty, clean it in warm soapy water, rinse, and allow it to dry thoroughly, or clean in non-flammable solvent and allow to dry.
5. Dip the foam element in clean engine oil, then squeeze out all excess oil. The engine will smoke when started if too much oil is left in the filter.
6. Wipe dirt from the air filter unit and cover using a moist rag. Refer to Fig. 5.1

5.5 - Oil Change and Oil Drainage

Used motor oil can cause skin irritations if left in long-tern contact with skin. Wash hands thoroughly with soap and water after handling oil.

Do not dispose of used oil in drains or on soil. Local service shops provide environmentally-friendly disposal methods.

1. Stop the engine and remove oil filler cap.
2. Place a pan under the engine.
3. Remove the oil drain screw and allow the oil to completely drain into the pan.
4. Reinstall drain screw before filling the engine with fresh oil. Do not overfill oil reservoir. Use a funnel to prevent spillage.
5. Reinstall the filler cap and tightly fasten it.



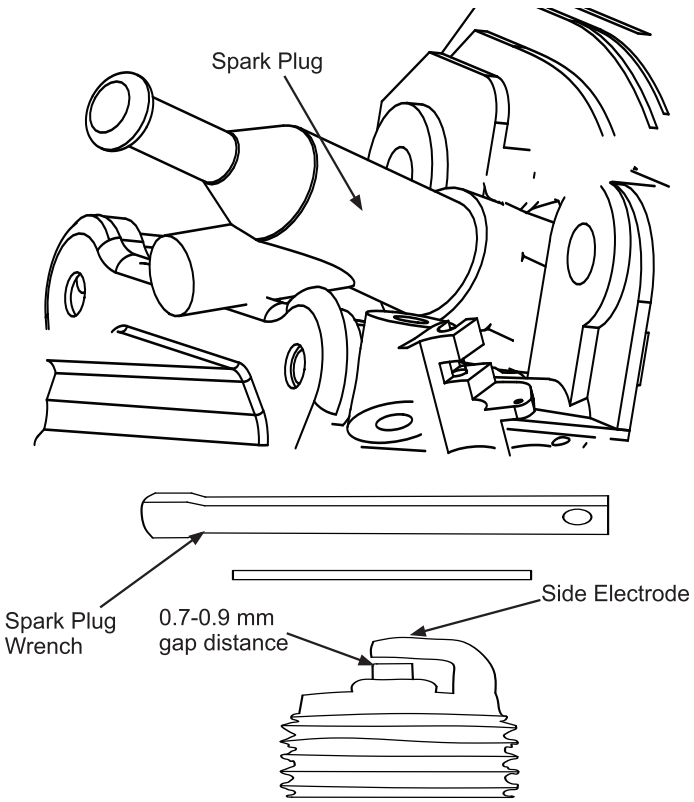
5.6 - Spark Plug Service

Do not rinse spark plug in water. Follow guidelines and be careful not to overtighten the spark plug.

Tighten ½ turn when installing a new spark plug.

Tighten ¼ turn when re-installing an old spark plug.

1. Disconnect and remove the spark plug using a wrench.
2. Inspect the spark plug and clean any dirt from the electrodes with a wire brush. If electrodes are worn or show signs of wear, replace spark plug.
3. Measure the electrode gap with a spark plug gauge and adjust as necessary by bending the side electrodes. Ensure that the gap is between 0.7 and 0.9mm
4. Reinsert the plug carefully. Tighten with a spark plug wrench.



5.7 - Handling and Storage

HANDLING

1. Turn off the engine switch and the fuel valve when transporting the generator set.
2. Do not touch engine until the engine has cooled down.
3. Keep the generator at a level position in order to prevent spillage.

STORAGE:

Before storing the generator set for an extended period:

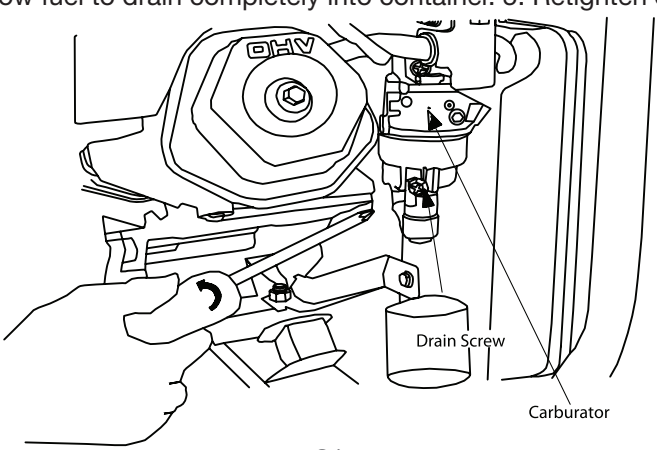
1. Ensure that the storage area is free of excess humidity and dust.
2. Drain the fuel tank and the carburetor.

DRAINING THE FUEL TANK

1. Turn the engine switch off.
2. Remove the fuel tank cap and the debris screen under the cap.
3. Empty the fuel tank using a siphon and an approved gasoline container.

DRAINING THE CARBURETOR

1. Turn the engine switch OFF.
2. Turn the fuel valve ON.
3. Position a suitable container under the carburetor drain screw to catch fuel; loosen the screw.
4. Allow fuel to drain completely into container. 5. Retighten drain screw.



DISCONNECT ELECTRIC START BATTERY

1. Disconnect red cable from the positive battery terminal.
2. Disconnect black cable from the negative battery terminal. Refer to Fig 4.3
3. Store the battery in a dry place and recharge it once a month. Do not store the battery in an excessively warm or cold place.

6.0 - TROUBLESHOOTING

Common issues can be fixed by following the instructions in this guide. If the unit will not function after following these instructions, contact technical support before attempting to use or repair the product.

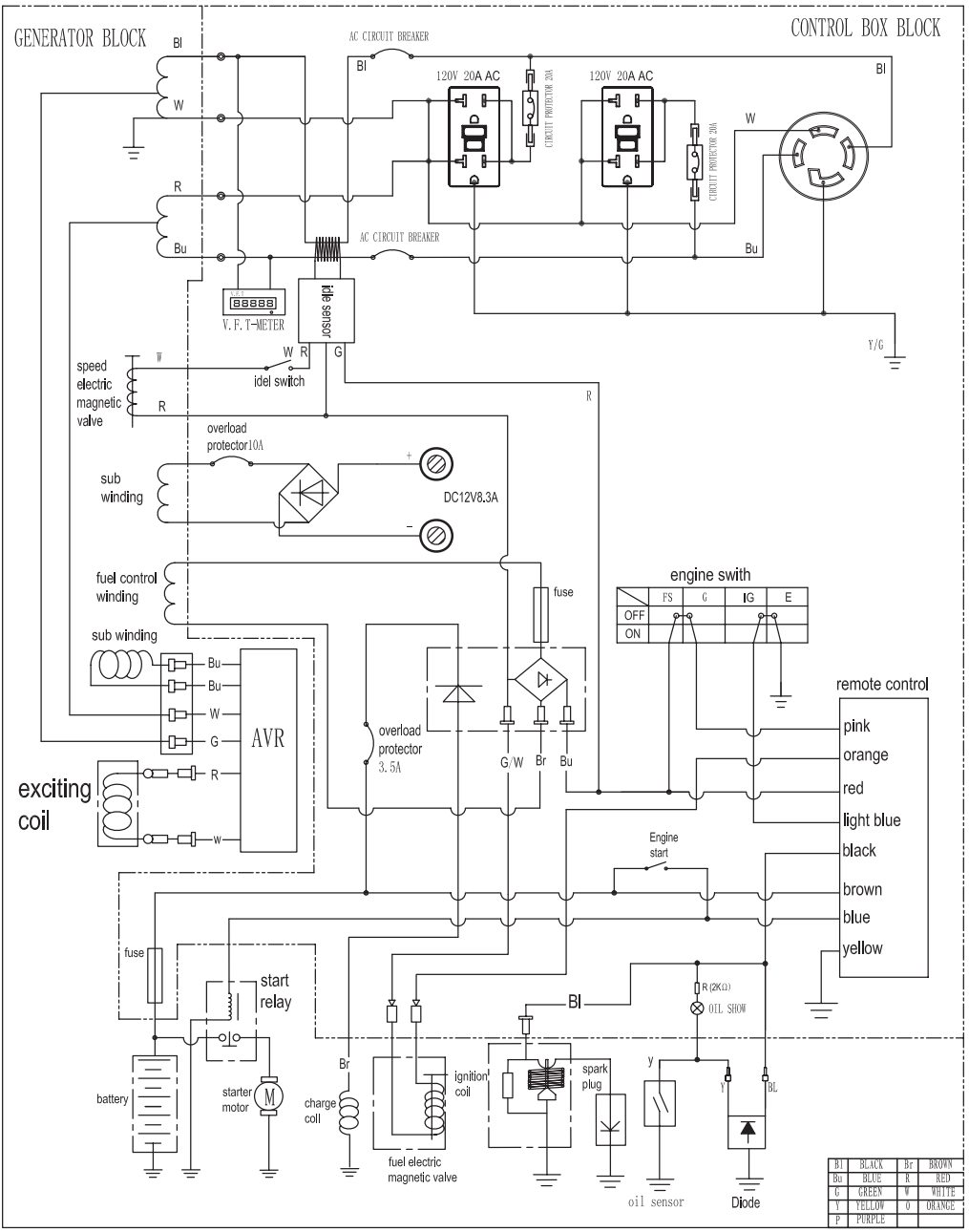
ISSUE	CAUSE	ACTION
Engine cranks slowly	Engine oil is too heavy	Replace with recommended oil
	Load is connected	Disconnect load while starting
Engine is not starting	No fuel or LPG	Refill fuel tank
	Fuel / LPG valve is closed	Fully open fuel valve
	Fouled spark plug	Remove, clean or replace spark plug
	Not enough oil, LPG is too low(</=0.8MPa) or too high(>/=2.8 kPa) and the flow of LPG(>1,1Kg/H)	Add more oil, adjust LPG level
Black exhaust	Choke stuck in closed position	Open choke
	Dirty air filter	Clean air filter
	Rich fuel mixture	Contact customer service
Engine stops	No fuel or LPG	Refill fuel tank
	Not enough oil	Add more oil
Engine has difficulty idling	Loose spark plug cable	Reconnect or repair cable
	Faulty spark plug	Remove, clean or replace spark plug
	Generator set not level	Move generator to a level surface
	Dirty fuel filter	Replace the filter
No AC Output	Tripped AC circuit breaker	Remove all loads, reset breaker and check loads for defects. Do not exceed generator rating.
No DC Output	Tripped DC circuit breaker	Disconnect battery, reset breaker and test battery for short circuit
No charge in Electric Start Battery	Corroded battery posts	Clean battery posts
	Battery cable is damaged	Replace cable
	Battery is defective	Check for damage, replace if required
No output display or no LED lights	Electric start battery is not connected	Connect battery

7.0 - SPECIFICATIONS

		HCP9000
GENERATOR	Rated frequency (Hz)	60Hz
	Rated AC Output Power (W)	7500
	Max AC Output Power (W)	9000
	1-Phase Rated AC Voltage (V)	120/240V
	Power Factor	1.0
	Max DC Output Power (W)	100
	Rated DC Voltage (V)	12
ENGINE	Type	15 HP, Single Cylinder, forced air cooling, 4-stroke, OHV 25 deg tilt
	Displacement (cm^3)	420cc
	Ignition mode	Non-contact transistor
	Starting mode	Recoil Start, Electric Start and Remote Start
	Max. Output (W/rpm)	11,000/3600
	Fuel tank capacity (Gal)	13.2
	Oil capacity	37 fl.oz. (10W30)
	Fuel Type	Unleaded gasoline
	Running Volume	86dB (at 7m)
	Running Time Per Tank (hours)	Gas: 20-25 (6 continuous*) with 50% load Propane: Max. 10 (with a 44lb tank and a 50% load)
BOX	L x W x H	30.5x25.2x31.5"
	Dry Weight	220lbs

*Continuous use for longer than 6 hours may strain the engine.
Allow engine to rest for 30 minutes before starting another running cycle.

8.0 - WIRING DIAGRAMS



Warranty

Midland International Inc.
26 Huddersfield Rd. Unit #2
Etobicoke, Ontario Canada
M9W 5Z6

This warranty is limited to the listed Hyundai Power Equipment products when distributed by Cobalt Power Inc.

These products are warranted to be free of defects in materials and workmanship from the original date of purchase according to the schedules defined in this warranty document. This limited warranty guarantees that any defective parts will be repaired or replaced, at the warrantor's discretion, at no cost, including diagnosis and replacement parts.

3 YEAR LIMITED WARRANTY:
The limited warranty coverage is continual from the initial date of purchase and does not restart at any time under any circumstances. This limited warranty is valid only when the equipment receives all necessary preventative maintenance, as described in the Hyundai User Manual. The repair or replacement will take place within a reasonable period of time during normal business hours.

LABOR WARRANTY CLAIM PROCEDURE:
The product must be purchased in the United States or Canada from Cobalt Power Inc., via an authorized channel of distribution. This limited warranty applies to the first purchaser and each subsequent registered owner during the applicable warranty time period.

What MIDLAND INTERNATIONAL INC. will Repair or Replace Under Limited Warranty:
MIDLAND INTERNATIONAL INC. will repair or replace, at its opinion, any part that is proven to be defective in material or workmanship under the normal use during the applicable warranty time period. Warranty repairs and replacements will be made without charge for parts, accessories, or labor during the first 12 months after original purchase. The remaining 24 months of warranty are parts only. Anything replaced under warranty becomes the property of MIDLAND INTERNATIONAL INC. All parts replaced under warranty will be considered as part of the original product, and any warranty on those parts will expire coincident with the original product warranty.

Warranty service must be performed by a Hyundai-authorized service dealer. If you feel your equipment is malfunctioning due to a defect, simply contact our customer support center for technical advice, to file a warranty claim or for general information.

BEFORE WARRANTY WORK CAN BEGIN

To obtain warranty service, contact our customer support center:

Toll Free: 1-877-528-3772

Email: support@hyundaipower.ca

Online: www.powerbyhyundai.com or www.hyundaipower.ca

LIMITATIONS OF REMEDIES AND DISCLAIMERS

THE FOREGOING LIMITED WARRANTY IS EXCLUSIVE OF AND IN LIEU OF ALL OTHER WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER WARRANTY, WHETHER EXPRESSED OR IMPLIED.

Midland International Inc. disclaims any responsibility for any indirect, incidental or consequential loss or damage caused by any defects in material or workmanship.

All expenses incurred in maintaining parts shall be incurred by the purchaser This warranty coverage does not include parts affected by accident and/or collision, corrosion or rust, normal wear, use in an application for which the product was not intended, service from an unauthorized service dealer, or any other misuse, neglect, incorporation or use of unsuitable attachments and/or parts. Under this warranty, the warrantor is not obligated to bear any transportation fees of any product to/from an authorized service dealer. Unauthorized alteration, installation, or any cause other than defects in material or workmanship of the product will not be covered under this warranty.

Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusions and limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

NOT COVERED BY THIS LIMITED WARRANTY:

1. Normal wear and tear, such as but not limited to fading of painted or plated surfaces, sheet peeling and other natural deterioration.
2. Damage caused by a lack of maintenance as described in the Hyundai User Manual.
3. Consumable parts: Hyundai does not warrant deterioration of the following unless needed as a part for another warranted repair: Spark plugs, fuel filters, air cleaner elements, clutch discs, tires, wheel bearings, starter ropes, cables, belts, oil and grease.
4. Damage caused by accidental or improper installation or storage.
5. Exposure of the product to chemical agents, bird droppings, sea water, sea breeze or salt.
6. Improper repair or maintenance.
7. Damage caused by water ingestion, submersion, or external water damage except for HCP653 (Trash Pump) and HCP3000 (Pressure Washer).
8. Damage or non-performance caused by operation of the generators set in a marine application.
9. Operating methods other than those indicated in the owners manual.
10. Damage caused by operation with improper pressure, conditions, or modifications contrary to published specifications.

11. Items not supplied by Hyundai, such as, but not limited to, external wiring, filters, etc.
12. The use of non-genuine Hyundai parts and accessories.
13. Repairs made during the warranty period without first obtaining a case number form Hyundai.

PRODUCT REGISTRATIONS

Product registration is required for all product support and warranty coverage. The purchaser must also provide the original proof of purchase. The owner's registration, found with the user manual, must be completed and mailed. You can also register online at www.powerbyhyundai.com or www.hyundaipower.ca. You should keep your receipt or invoice as proof of purchase.

Product covered by warranty	Length of warranty from date of original purchase	
	LABOR	**PARTS**
Pro Power Series Generators: Model No: HCP6500D, Diesel Power Generator	12 Months	36 Months
Model No: HCP9000, Dual-Fuel Generator	12 Months	36 Months
Model No: HCP9100, Gas-Powered Air Compressor	12 Months	36 Months
Model No: HCP3000, Gas-Powered Pressure Washer	12 Months	36 Months
Model No: HCP653, Gas-Powered Water Trash	12 Months	36 Months

ACCESSORIES AND REPLACEMENT PARTS

3 YEAR LIMITED PARTS AND ACCESSORIES WARRANTY

This limited warranty defines the accessories and replacement parts warranty and is limited to Hyundai Power Equipment products when distributed by Cobalt Power Inc.

The accessories and replacement parts must be purchased from COBALT POWER INC. in the United States or Canada. Parts and Accessories must be purchased for installation on original Hyundai equipment or engines to be eligible for warranty coverage. Installing parts and accessories on non-Hyundai products or engines voids the warranty.

Midland International Inc. will repair or replace, at its option, any Hyundai Power Equipment accessories or replacement parts that are proven to be defective in material or workmanship under normal use during the applicable warranty time period. Anything replaced under warranty becomes the property of Midland International Inc. All parts replaced under warranty will be considered as part of the original product, and any warranty on those parts will expire coincident with the original product warranty.

PARTS AND ACCESSORIES WARRANTY CLAIM PROCEDURE

Original accessories and replacement parts that are proven to be defective in material or workmanship under the normal use will be repaired or replaced under warranty without charge if determined to be defective within the first thirty-six months form the original date of purchase. After one year from the original date of purchase, labor costs will be the responsibility of the purchaser. If installed by anyone else, acces-

sories and replacement parts will be repaired or replaced under warranty without charge for parts, but any labor charges will be the responsibility of the purchaser.

EXCLUSIONS

The same exclusions listed above for labor apply to this warranty. This warranty does not extend to accessories, or parts, affected or damaged by collision, normal wear, use in an application for which the product was not designed or any other misuse, neglect, incorporation or use of unsuitable attachments or parts, unauthorized alteration, improper installation, or any causes other than defects in material or workmanship of the product. Installing non-Hyundai Parts and Accessories voids this warranty.

DISCLAIMER OF CONSEQUENTIAL DAMAGE AND LIMITATION OF IMPLIED WARRANTIES:

MIDLAND INTERNATIONAL INC. disclaims any responsibility for loss of time or use of the product, or the power equipment on which the product is installed, transportation, commercial loss, or any other incidental or consequential damage. Any implied warranties are limited to the duration of this written warranty. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusions and limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

TO OBTAIN WARRANTY SERVICE FOR PARTS OR ACCESSORIES:

You must, at your expense, take the Hyundai Power Equipment accessory, or replacement part, or the Hyundai Power Equipment product on which the accessory or replacement part is installed, and proof of purchase to any authorized Hyundai Power Equipment dealer, distributor or distributor's dealer in the United States or Canada during the dealer's or distributor's normal business hours. If you are unable to obtain warranty service or are dissatisfied with the warranty service you receive, take the following steps:

First, contact the owner of the service location involved; normally this will resolve the problem. Second, if the issue is not resolved, contact:

Hyundai Power Equipment Customer Support Center
Toll Free: 1-877-528-3772
E-mail: support@hyundaipower.ca
Online: www.powerbyhyundai.com or www.hyundaipower.ca